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United States
Department of
Agriculture

Soil
Conservation
Service

Boise,
Idaho



Idaho Water Supply Outlook

February 1, 1987

DEC 27 1986

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Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 97102
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97208
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

Idaho Water Supply Outlook

and

Federal — State — Private Cooperative Snow Surveys

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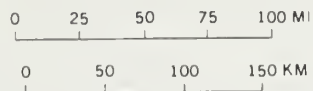
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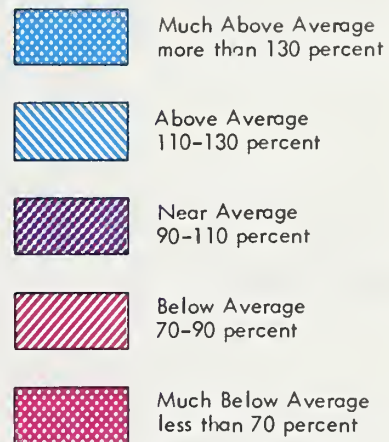
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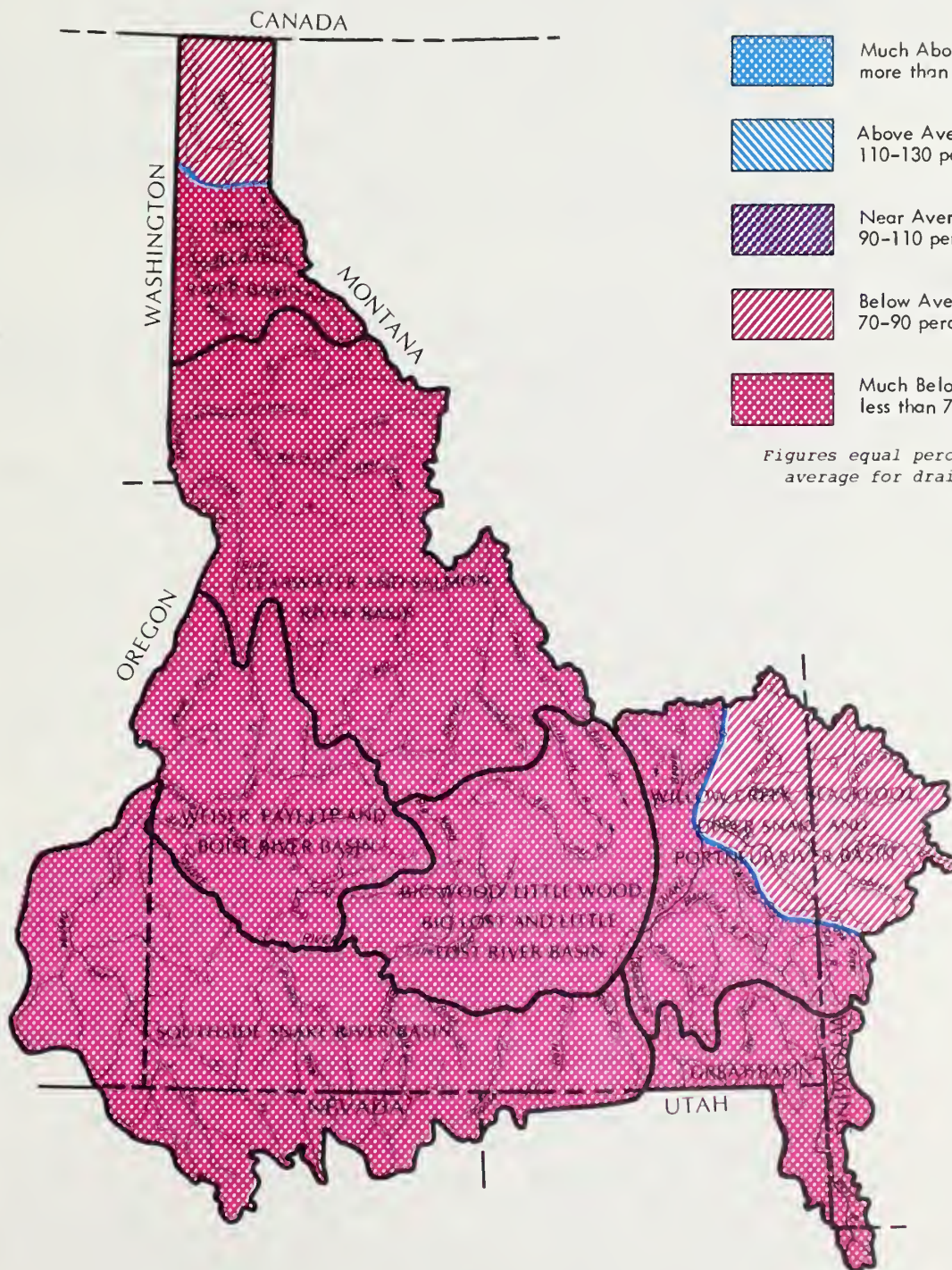
STREAMFLOW PROSPECTS IDAHO



LEGEND



*Figures equal percent of
average for drainage.*



GENERAL OUTLOOK

SUMMARY:

IDAHO RECEIVED ONLY ABOUT HALF OF ITS NORMAL JANUARY SNOWFALL, DOING LITTLE TO IMPROVE THE BELOW AVERAGE SNOWPACKS MEASURED A MONTH AGO. FEBRUARY 1 STREAMFLOW FORECASTS FOR THE APRIL-JULY PERIOD HAVE BEEN REDUCED FROM THE JANUARY 1 PREDICTIONS TO REFLECT THE BELOW NORMAL JANUARY PRECIPITATION. WELL ABOVE NORMAL PRECIPITATION WILL BE NEEDED FOR THE REMAINDER OF THE SNOW ACCUMULATION SEASON TO PREVENT EXTREMELY LOW RUNOFF CONDITIONS ON MANY BASINS THIS SPRING AND SUMMER. GOOD RESERVOIR STORAGE ACROSS THE STATE WILL HELP OFFSET WATER SHORTAGES IN BASINS HAVING THE BENEFIT OF STORED WATER.

SNOWPACK:

February 1 snow surveys show snow accumulation during January continued to be below to well below normal over most of the state. Only a few lower elevation sites across extreme southern Idaho reported near normal increases for the month. Although precipitation was below normal for the month, most basins across southern Idaho with extremely low snowpack conditions on January 1 show a slight improvement in comparison to normal for the water year. On the other hand, northern Idaho snowpacks deteriorated slightly in comparison to normal since the 1st of January. Currently, snowpack conditions range from 65% to 72% of normal in northern Idaho, 30% to 60% of normal in the central and southern part of the state, and 50% to 65% of normal on the Upper Snake in eastern Idaho and western Wyoming.

PRECIPITATION:

Unusually dry conditions persisted into January as precipitation amounts were generally well below normal. Northern Idaho, which was the only area near normal in December, dropped to 65% to 75% of normal in January. The central portion of the state showed a wide range from just 28% of average at Salmon to 74% at Grangeville. Southwest Idaho ranged from 40% to 65% of normal while southeast Idaho varied from 60% to as high as 91% at Pocatello. The Magic Valley was the one exception this month as Twin Falls received 132% of normal. All in all January was much better than December, but precipitation was still below normal over most of the state. Temperatures were near normal in the north and southwest while southcentral and southeast Idaho were some four to five degrees below normal.

RESERVOIRS:

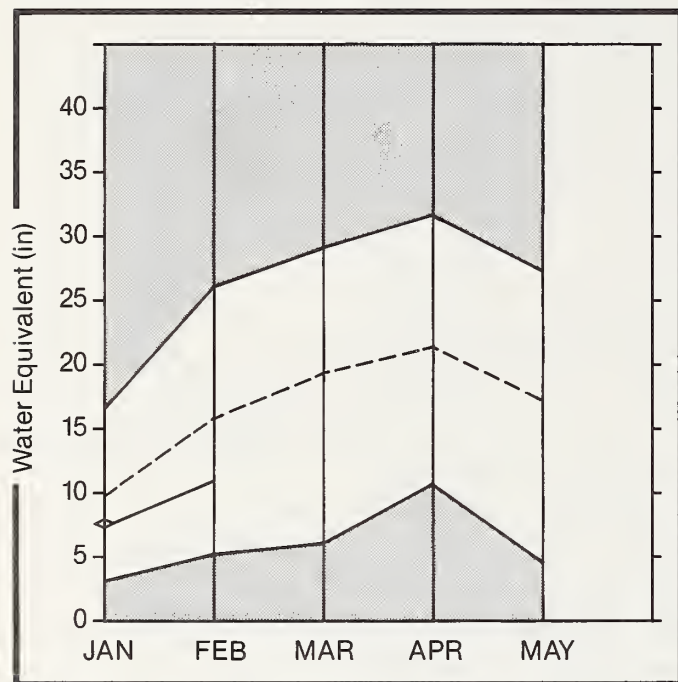
Most reservoirs in Idaho have near or above average storage at the end of January with most ranging from 80% to 130% of normal. Twenty-two major reservoirs sampled across the state report a combined storage at 108% of normal as of February 1. Several reservoirs including Pend Oreille Lake, Coeur d'Alene Lake, Lucky Peak, and Jackson Lake report well below normal contents ranging from 15% to 46% of average. Salmon Falls Reservoir reports well above average storage at 172% of normal. Most basins will rely heavily on stored water this summer to augment low natural streamflow conditions.

STREAMFLOW:

Most April-July seasonal streamflow forecasts have been reduced 5% to 15% from those published last month as a result of the below normal precipitation during January. In northern Idaho (from the Clearwater drainage north) streamflows are now expected to range from 60% to 78% of normal. Forecasts in the central, southern, and southeastern part of the state range from a low of only 35% of average for the inflow to Magic Reservoir and the Little Wood near Carey to 61% of average on the Portneuf at Topaz. April-July streamflows on the Upper Snake basin in eastern Idaho and western Wyoming are forecast to range from 69% to 73% of average. These forecasts indicate that very low streamflows will be the rule this spring and summer across central and southern Idaho. Water users are encouraged to monitor water supplies closely for the remainder of the season and be prepared to implement water conservation practices as needed. This is particularly true on basins without reservoir storage facilities.

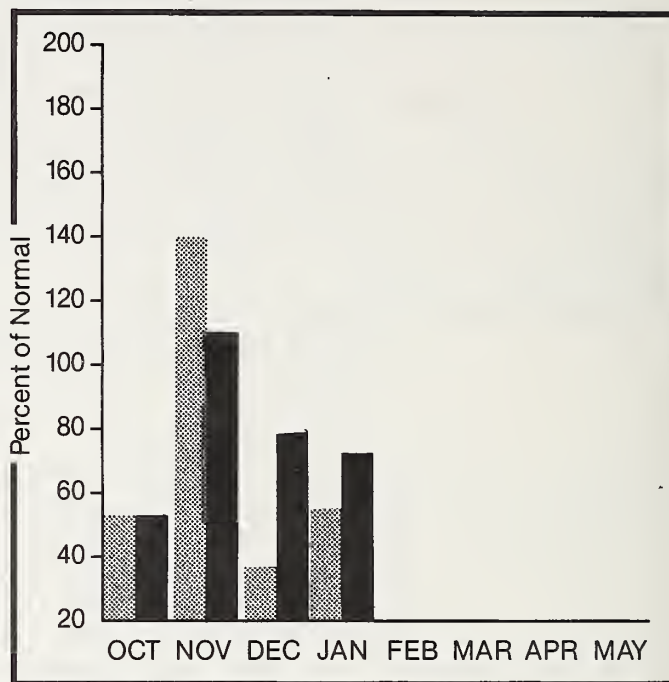
Upper Columbia Basin

Mountain snowpack* (inches)


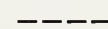

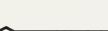


*Based on selected stations


Precipitation* (percent of normal)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Monthly precipitation 

Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snow accumulation during the month of January was below to well below the average January increase for the month. As a result, February 1 snow surveys show snowpack conditions have deteriorated in comparison to normal since January 1. Currently, snowpacks range from 69% to 72% of normal throughout the basin with the exception of the Rathdrum Creek drainage which reports 88% of normal snowpack. April-July streamflow forecasts have been reduced from the January 1 predictions and now range from 64% of normal on the Coeur d'Alene at Enaville to 78% on the Priest River at Priest. Reservoir carryover storage remains below normal in most major lakes and reservoirs.

For more information contact your local Soil Conservation Service office.

UPPER COLUMBIA RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	FEAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	FEAS. MIN. (% AVG.)
KOOTENAI at Leona 2	APR-SEP	8602.0	7640.0	89	9530.0	111	5750.0	67
	APR-JUL	7498.0	6660.0	89	8310.0	111	5010.0	67
	APR-JUN	8051.0	5390.0	89	6720.0	111	4060.0	67
CLARK FORK at White Horse Rapids 2	APR-SEP	13575.0	10300.0	76	14100.0	104	6500.0	48
	APR-JUL	12351.0	9390.0	76	12900.0	104	5930.0	48
	APR-JUN	10570.0	8040.0	76	11000.0	104	5080.0	48
PEND OREILLE LAKE Inflow 2	APR-SEP	15150.0	11300.0	75	15500.0	102	7060.0	47
	APR-JUL	13875.0	10400.0	75	14300.0	103	6500.0	47
	APR-JUN	12010.0	9010.0	75	12400.0	103	5650.0	47
PRIEST RIVER at Priest 2	APR-SEP	885.0	690.0	78	980.0	111	400.0	45
	APR-JUL	832.0	650.0	78	925.0	111	375.0	45
SPOKANE at Post Falls 2	APR-SEP	2848.0	1680.0	59	3160.0	111	200.0	7
	APR-JUL	2754.0	1660.0	60	3090.0	112	230.0	8
ST. JOE at Calder	APR-SEP	1294.0	855.0	66	1230.0	95	480.0	37
	APR-JUL	1225.1	795.0	65	1150.0	94	440.0	36
COEUR D'ALENE at Enaville	APR-SEP	844.2	540.0	64	940.0	111	140.0	17
	APR-JUL	804.8	515.0	64	890.0	111	140.0	17

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	LAST YEAR	** AVG.	WATERSHED	NO. COUPSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
HUMPY HORSE	3451.0	2402.0	2295.0	2410.0	Kootenai ab Bonners Ferry	46	105 81
FLATHEAD LAKE	1791.0	840.2	1124.0	1145.0	Pend Oreille River	125	101 72
PEND OREILLE	1561.2	212.7	755.6	831.8	Clark Fork River	86	99 69
NOXON RAPIDS	335.0	295.8	158.8	313.0	Priest River	5	101 72
COEUR D'ALENE	291.2	88.2	125.4	220.9	Bathrum Creek	2	88 88
PRIEST LAKE	97.7	29.8	33.3	34.4	Havden Lake	0	0 0
					Coeur d'Alene River	9	97 69
					St. Joe River	6	99 69
					Spokane River	15	98 69
					Palouse River	0	0 0

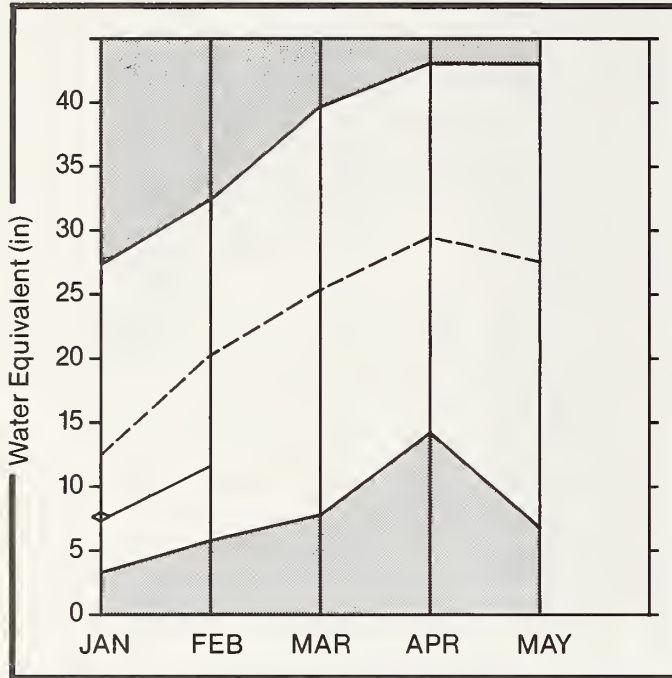
1 - Feas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

Clearwater and Salmon River Basin

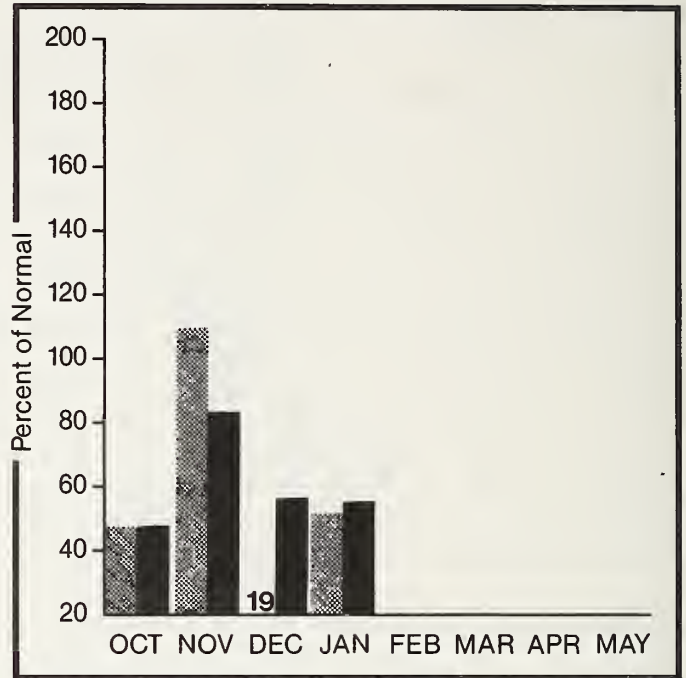
Mountain snowpack* (inches)



*Based on selected stations

Maximum ———
Minimum ———
Average - - - -
Current ◊ ———

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation [hatched bar]
Year to date precipitation [solid black bar]

WATER SUPPLY OUTLOOK:

Snow surveys taken near February 1 show little or no change in the snowpack. Conditions remain below to well below normal throughout the basin ranging from 48% of average on the Salmon River above Salmon to 71% of average on the Lochsa River drainage. April-July streamflow forecasts remain below to well below normal ranging from 58% on the Salmon at Whitebird to 65% on the Clearwater at Spalding. Carryover storage in Dworshak Reservoir is excellent at 116% of average for February 1.

For more information contact your local Soil Conservation Service office.

CLEARWATER AND SALMON RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	FEAS. MAX. (1000AF)	FEAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
CLEARWATER at Orofino	APR-SEP	5185.0	3420.0	66	5290.0	102	1550.0	30
	APR-JUL	4917.0	3200.0	65	4970.0	101	1430.0	29
CLEARWATER at Spalding	APR-SEP	8460.0	5580.0	66	8800.0	104	2360.0	28
	APR-JUL	8000.0	5220.0	65	8260.0	103	2180.0	27
DWORSHAK RESERVOIR inflow	APR-SEP	2985.0	1940.0	65	3160.0	106	715.0	24
	APR-JUL	2805.0	1810.0	65	2960.0	106	660.0	24
SALMON at Whitebird	APR-SEP	6876.0	4060.0	59	6330.0	92	1790.0	26
	APR-JUL	6211.0	3600.0	58	5650.0	91	1550.0	25
SALMON at Salmon	APR-SEP	1053.0	635.0	60	1080.0	103	193.0	18
	APR-JUL	899.0	545.0	61	920.0	102	167.0	19

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	** LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
DWORSHAK	3467.8	2424.7	2395.9	2084.1	North Fork Clearwater	13	93
					Lochsa River	4	105
					Selway River	1	105
					Clearwater River	15	96
					Salmon River ab Salmon	7	62
					Lemhi River	1	90
					Salmon River Total	19	70

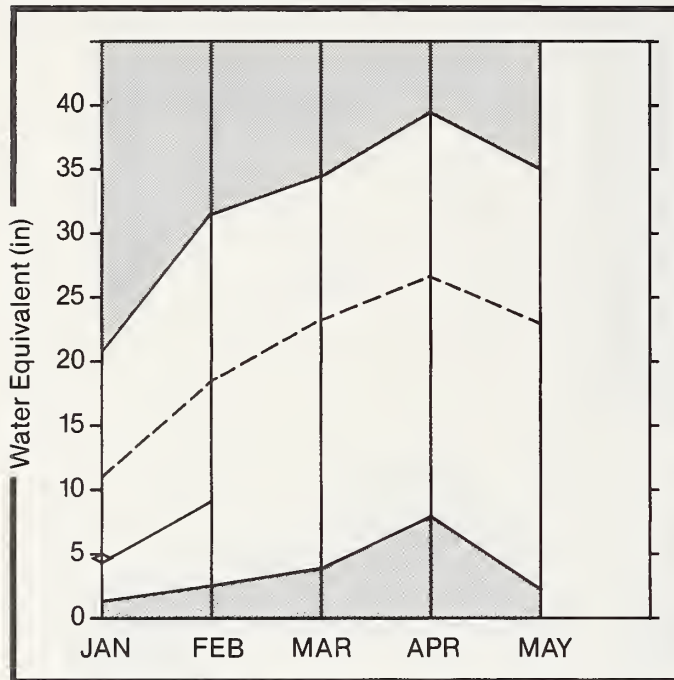
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The average is computed for the 1961-85 base period.

Weiser, Payette, and Boise River Basin

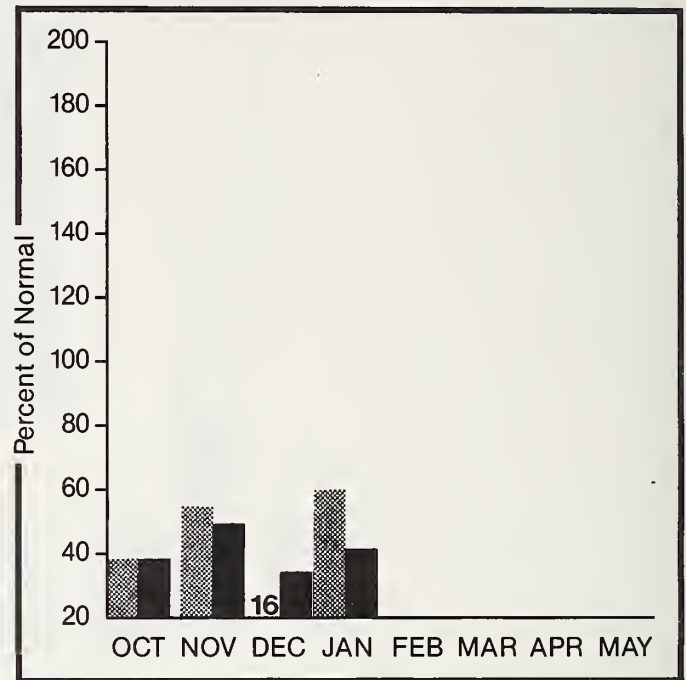
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

In comparison to normal, snowpack conditions show a slight improvement from those reported a month ago even though the January snowfall was well below normal. Basin snowpack conditions remain very low, ranging from 40% to 59% of average. April-July seasonal volume forecasts have been reduced to reflect the low precipitation during January and now range from 48% to 52%. Carry over storage is near or above normal on all major reservoirs except Lucky Peak which is reported at only 46% of normal and only 18% of capacity. Given the current snowpack conditions and the anticipated irrigation demands, the Boise Reservoir Storage system may not fill to capacity, however, adequate water supply is expected to meet users needs.

For more information contact your local Soil Conservation Service office.

WEISER, PAYETTE AND BOISE RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
WEISER nr Weiser	APR-SEP	427.0	215.0	50	470.0	110	149.0	35
	APR-JUL	399.0	200.0	50	440.0	110	139.0	35
PAYETTE nr Horseshoe 2	APR-SEP	1805.0	920.0	51	1500.0	83	445.0	25
	APR-JUL	1668.0	835.0	50	1370.0	82	355.0	21
NF PAYETTE at Cascade 2	APR-SEP	553.5	295.0	53	460.0	83	130.0	23
	APR-JUL	517.9	270.0	52	425.0	82	115.0	22
NF PAYETTE nr Banks 2	APR-SEP	712.5	370.0	52	545.0	76	190.0	27
	APR-JUL	671.5	345.0	51	510.0	76	175.0	26
SF PAYETTE at Lowman	APR-SEP	497.2	255.0	51	380.0	76	130.0	26
	APR-JUL	440.6	225.0	51	335.0	76	115.0	26
DEADWOOD RESERVOIR inflow	APR-JUL	141.0	74.0	52	113.0	80	35.0	25
BOISE RIVER nr Twin Springs 1	APR-SEP	705.5	375.0	53	560.0	79	190.0	27
	APR-JUL	650.1	340.0	52	510.0	78	170.0	26
SF BOISE at Anderson Dam 1	APR-SEP	589.6	290.0	49	420.0	71	160.0	27
	APR-JUL	551.4	265.0	48	385.0	70	145.0	26
BOISE RIVER nr Boise 1	APR-SEP	1571.5	820.0	52	1355.0	86	285.0	18
	APR-JUL	1454.4	760.0	52	1255.0	86	265.0	18
	APR-JUN	1279.5	655.0	51	1090.0	85	220.0	17

RESERVOIR STORAGE

(1000AF)

WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
MANN CREEK	11.3	3.2	3.5	6.8	Mann Creek	0	0	0
CASCADE	703.2	465.4	465.6	393.8	Weiser River	5	75	54
DEADWOOD	162.0	88.0	84.9	84.5	North Fork Payette	8	75	59
ANDERSON RANCH	464.2	369.1	304.1	282.1	South Fork Payette	6	58	45
ARROWROCK	286.6	239.3	251.2	234.8	Payette River Total	13	68	53
LUCKY PEAK	307.0	56.7	36.0	122.5	Middle & North Fork Boise	9	52	45
LAKE LOWELL (DEER FLAT)	177.0	129.1	139.9	140.6	South Fork Boise River	8	46	40
					Boise River Total	17	51	43
					Canyon Creek	1	57	47

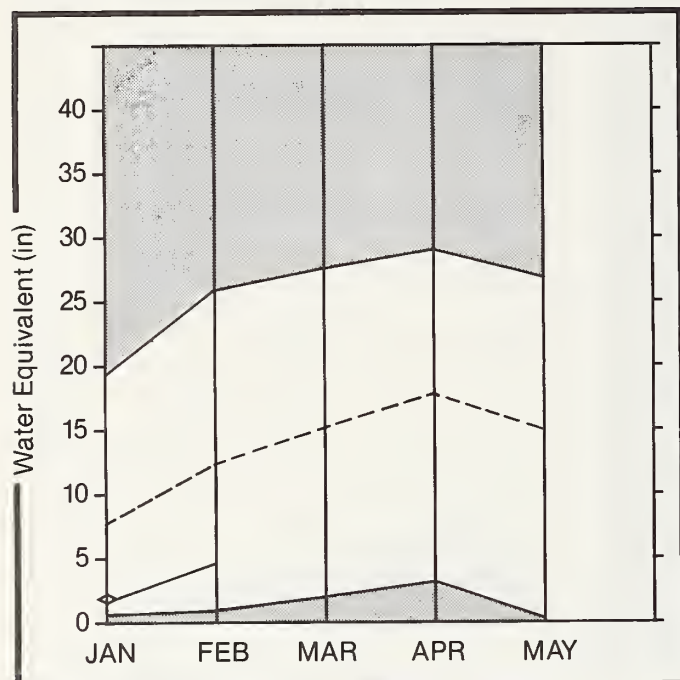
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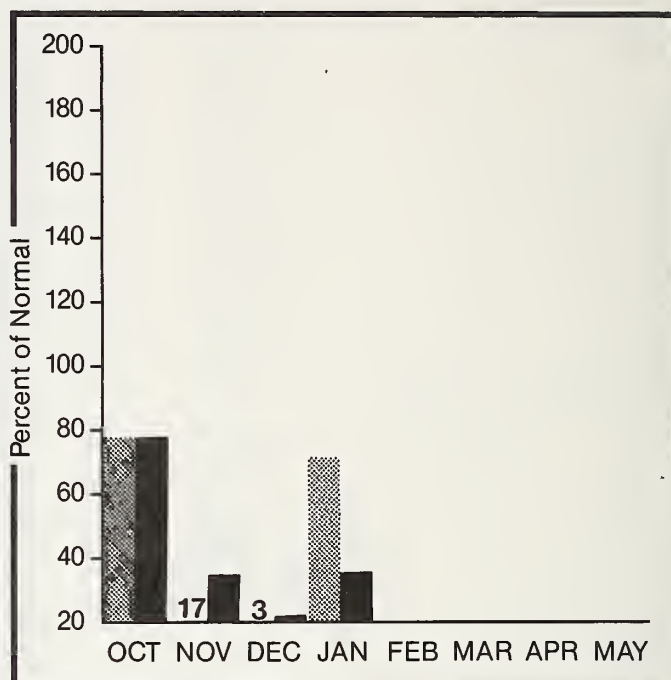
Big Wood, Little Wood, Big Lost, and Little Lost River Basin

Mountain snowpack* (inches)





*Based on selected stations

Precipitation* (percent of normal)



*Based on selected stations

Maximum ——— Average - - - - -
Minimum ——— Current ———

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

February 1 snowpack conditions show some improvement from the January 1 figures but remain extremely low throughout the basin. Snowpacks now range from only 27% of normal on the Little Wood basin to 41% of normal on the main stem of the Big Wood River. Although the snowpack figures show some improvement for the water year, snow accumulation during January remained well below normal resulting in the April-July streamflow forecasts being reduced. Forecasts now range from 35% of normal on the inflow to Magic Reservoir to 53 % on the Little Lost near Howe. Reservoir carryover storage is near or above normal on most reservoirs which will help offset the anticipated low runoff conditions.

For more information contact your local Soil Conservation Service office.

BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	FEAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	FEAS. MIN. (% AVG.)
BIG WOOD nr Bellevue	APR-SEP	193.4	77.0	40	164.0	85	21.0	11
	APR-JUL	179.9	72.0	40	153.0	85	16.0	9
MAGIC RESERVOIR inflow	APR-SEP	307.0	107.0	35	330.0	107	24.0	8
	APR-JUL	293.0	103.0	35	315.0	108	18.0	6
LITTLE WOOD nr Carey	APR-SEP	101.0	35.0	35	68.0	67	21.0	21
	APR-JUL	93.1	33.0	35	64.0	69	18.0	19
BIG LOST at Howell Ranch	APR-SEP	211.2	95.0	45	175.0	83	83.0	39
	APR-JUL	186.2	86.0	46	157.0	84	83.0	45
	APR-JUN	144.4	68.0	47	123.0	85	65.0	45
BIG LOST nr Mackay 2	APR-SEP	183.7	83.0	45	153.0	83	75.0	41
LITTLE LOST bl Wet Ck	APR-SEP	38.8	19.0	49	34.0	88	13.0	34
	APR-JUL	31.4	16.0	51	28.0	89	12.0	38
LITTLE LOST nr Howe	APR-SEP	42.2	22.0	52	38.0	90	10.0	24
	APR-JUL	32.6	17.3	53	29.0	89	8.0	25

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
MAGIC	191.5	114.5	93.4	102.4		Big Wood ab Magic	10	47 41
LITTLE WOOD	30.0	20.5	21.6	17.6		Camas Creek	3	45 35
CAREY VALLEY	14.4	6.6	4.4	---		Big Wood Total	12	46 39
MACKAY	44.4	32.8	25.3	32.6		Little Wood River	4	32 27
						Fish Creek	0	0 0
						Big Lost River	4	43 36
						Little Lost River	4	47 36

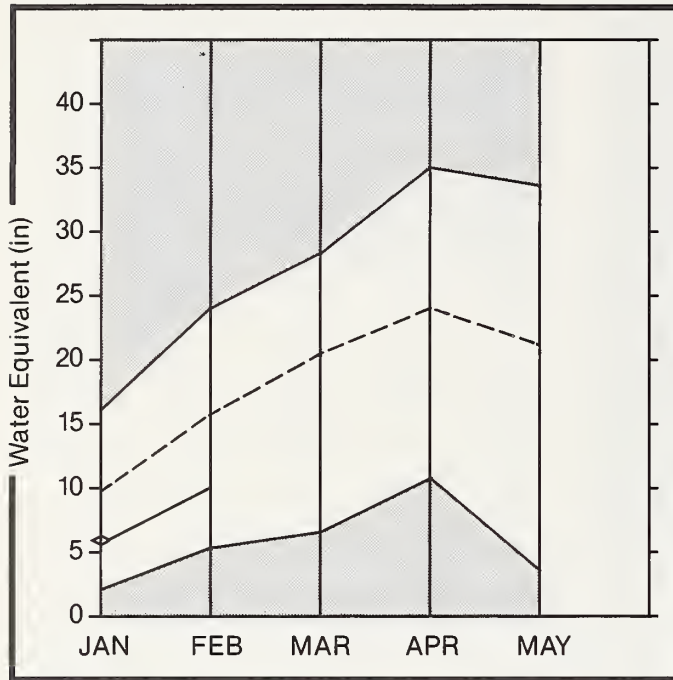
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

Willow Creek, Blackfoot, Upper Snake, and Portneuf River Basin

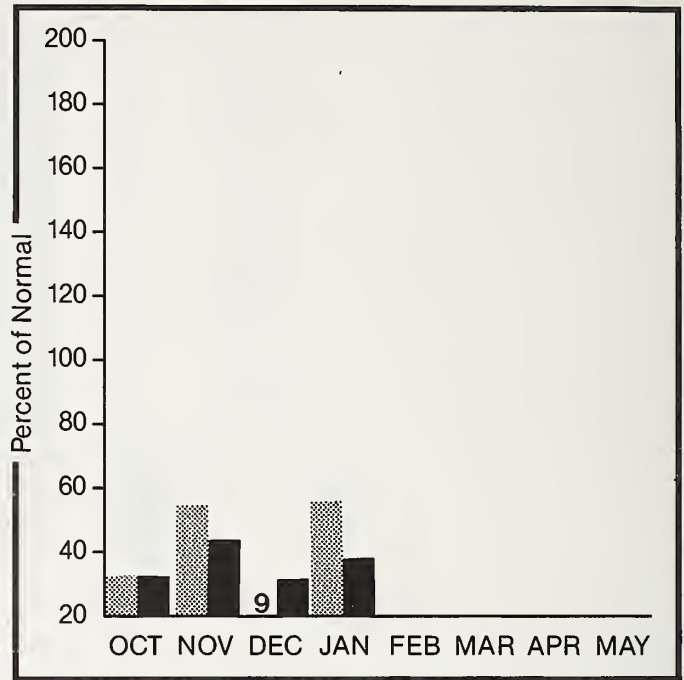
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack conditions remain generally unchanged or show slight improvement in comparison to normal from those reported January 1. Snowpacks remain well below average throughout the basin, ranging from 42% of normal on the Beaver-Camas Creek basin near Dubois to 68% on the Teton basin. One exception is in the extreme headwaters of the Gros Ventre River in Wyoming where the snowpack is 85% of normal. Although snowpack figures show some improvement for the water year, January snow accumulation was below normal resulting in the April-July forecasts being reduced from those reported a month ago. Forecasts now range from 61% of normal on the Portneuf at Topaz to 73% on the Snake at Moran. Carryover storage is good in most reservoirs which will supplement the anticipated low runoff conditions and water supplies should be adequate for most irrigators having the benefit of stored water.

For more information contact your local Soil Conservation Service office.

WILLOW CREEK, BLACKFOOT, UPPER SNAKE AND PORTNEUF RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
HENRY'S FORK nr Ashton 2	APR-SEP	714.1	510.0	71	595.0	83	425.0	60
	APR-JUL	529.1	370.0	70	435.0	82	310.0	59
HENRY'S FORK nr Rexburg 2	APR-SEP	1469.0	1050.0	71	1400.0	95	695.0	47
	APR-JUL	1148.0	805.0	70	1080.0	94	530.0	46
FALLS RIVER nr Squirrel	APR-JUL	366.0	255.0	70	335.0	92	175.0	48
TETON RIVER ab S Leigh Ck	APR-SEP	193.9	138.0	71	167.0	86	109.0	56
	APR-JUL	145.0	102.0	70	124.0	86	80.0	55
TETON nr St. Anthony	APR-SEP	465.0	325.0	70	405.0	87	245.0	53
	APR-JUL	375.0	260.0	69	325.0	87	195.0	52
SNAKE at Moran 1	APR-SEP	880.0	640.0	73	835.0	95	445.0	51
PALISADES LAKE inflow 1	APR-SEP	3793.0	2650.0	70	3675.0	97	1625.0	43
SNAKE nr Heise 2	APR-SEP	4066.5	2790.0	69	3930.0	97	1650.0	41
	APR-JUL	3464.8	2400.0	69	3370.0	97	1430.0	41
SNAKE nr Blackfoot 2	APR-SEP	5537.0	3875.0	70	5150.0	93	2600.0	47
	APR-JUL	4465.0	3060.0	69	4090.0	92	2030.0	45
PORTNEUF at Topaz	MAR-SEP	102.1	61.0	60	99.0	97	23.0	23
	MAR-JUL	82.2	50.0	61	80.0	97	20.0	24

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
ISLAND PARK	127.6	108.1	96.0	110.1	Camas-Beaver Creeks	3	35	42
GRASSY LAKE	15.2	12.9	12.9	10.9	Henry's Fork River	7	57	52
JACKSON LAKE	624.4	82.6	149.4	535.9	Teton River	6	71	68
PALISADES	1357.0	1209.0	1069.9	1028.0	Snake above Palisades	31	68	66
AMERICAN FALLS	1700.0	1101.9	1103.3	1277.2	Snake above Jackson Lake	9	59	55
BROWNLEE	975.3	731.9	682.0	531.0	Gros Ventre River	3	77	84
BLACKFOOT		NO REPORT			Greys River	4	60	63
HENRY'S LAKE	90.4	79.4		79.4	Salt River	5	67	63
RIRIE	96.5	40.5		51.3	Willow Creek	10	61	63
					Blackfoot River	5	50	54
					Portneuf River	5	52	48
					Toponce Creek	0	0	0

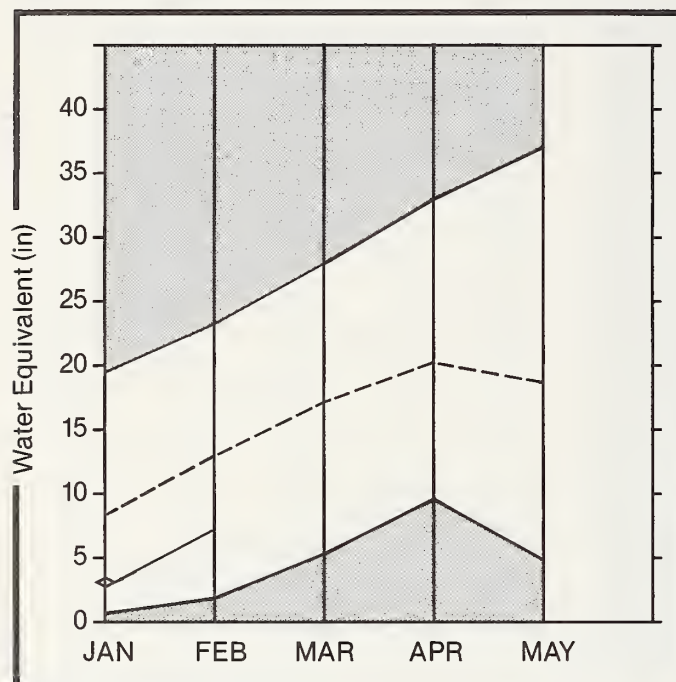
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2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

Southside Snake River Basin

Mountain snowpack* (inches)



*Based on selected stations

Maximum



Average



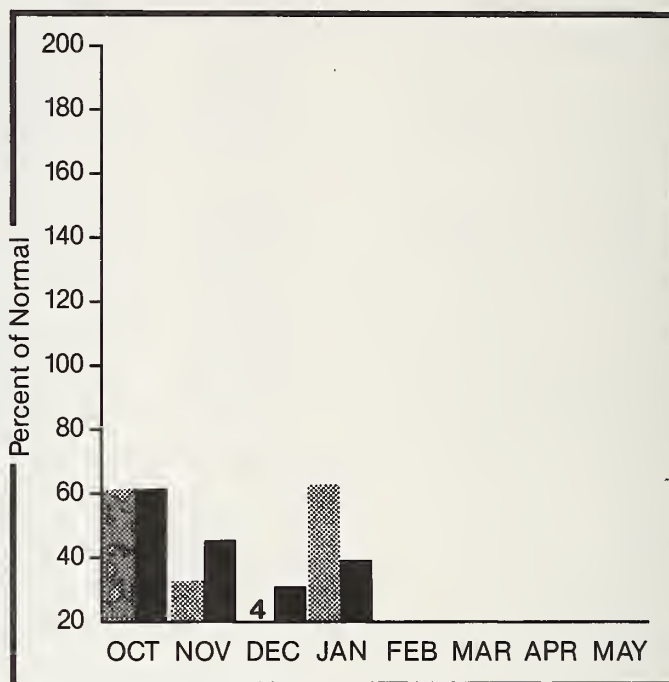
Minimum



Current



Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation



Year to date precipitation



WATER SUPPLY OUTLOOK:

Snow accumulation during January was generally below normal across the basin even though several low elevation stations reported near normal increases for the month. In comparison to normal, February 1 snowpack conditions show a good improvement from the extremely low figures reported a month ago. Current snowpack figures now range from 49% to 54% of average throughout the basin. Streamflow forecasts for the April-July period remain about the same or have been reduced slightly to account for the below average January precipitation. Forecasts now range from 39% to 60% with most basins in the 45% to 50% range. Carryover storage in the major reservoirs is good to excellent assuring most water users an adequate water supply for the 1987 irrigation season.

For more information contact your local Soil Conservation Service office.

SOUTHSIDE SNAKE RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
OAKLEY RESERVOIR inflow	APR-SEP	30.2	14.8	49	26.0	86	14.0	46
	APR-JUL	27.2	13.1	48	23.0	85	10.0	37
SALMON FALLS CK nr San Jacinto	MAR-SEP	94.0	45.0	48	84.0	89	17.0	18
	MAR-JUL	89.3	43.0	48	81.0	91	15.0	17
	MAR-JUN	84.4	41.0	49	76.0	90	14.0	17
BRUNEAU nr Hot Spring	MAR-SEP	243.3	122.0	50	225.0	92	83.0	34
	MAR-JUL	231.5	116.0	50	215.0	93	78.0	34
OWYHEE RIVER nr Gold Creek 2	APR-JUL	30.4	12.0	39	34.0	112	3.0	10
OWYHEE RIVER nr Owyhee 2	APR-JUL	85.4	34.0	40	88.0	103	10.0	12
OWYHEE LAKE inflow 1	APR-SEP	376.0	225.0	60	415.0	110	59.0	16
	APR-JUL	349.0	210.0	60	385.0	110	46.0	13
OWYHEE at Rome 2	APR-JUL	376.0	225.0	60	410.0	109	37.0	10

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
							LAST YR.	AVERAGE
OAKLEY	77.4	28.4	37.1	29.9	Raft River	1	46	54
SALMON FALLS	182.6	92.9	92.8	53.9	Goose-Trapper Creeks	1	55	63
OWYHEE	715.0	488.9	470.0	443.9	Salmon Falls Creek	9	54	53
					Bruneau River	8	52	50
					Owyhee River	14	53	54

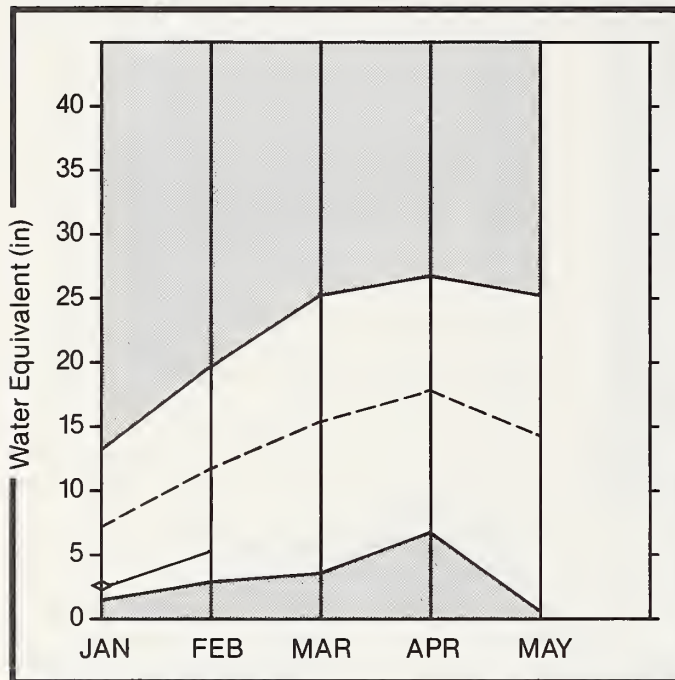
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

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Great Basin

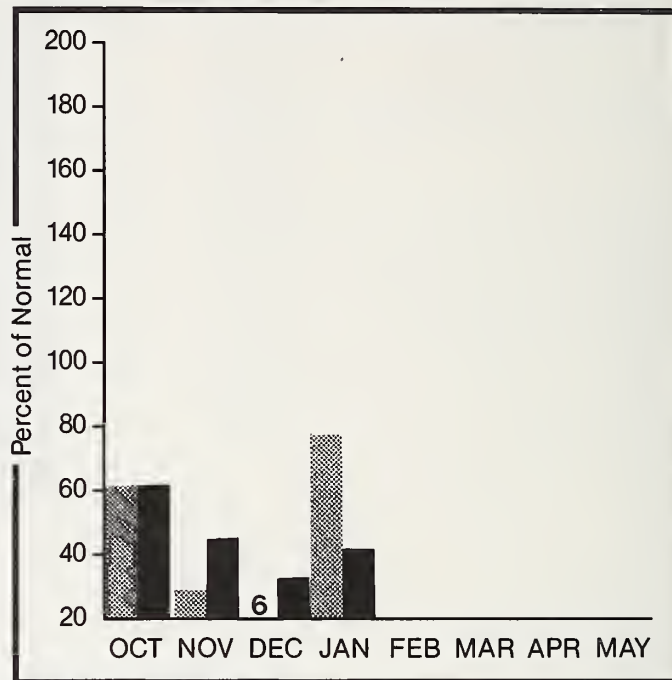
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average
Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

February 1 snow measurements show snowpack conditions remain well below normal and about the same as reported last month. Snowpack conditions currently range from 48% to 54% of average throughout the basin. April-July seasonal streamflow volume forecasts have been reduced to reflect the below average snow accumulation during January. Forecasts now range from 45% of normal on the Bear at Harer to 60% on the Cub River near Preston. Reservoir carryover storage is slightly above normal for February 1 on Montpelier Creek and Bear Lake, assuring irrigators below these reservoirs an adequate water supply for the 1987 irrigation season.

For more information contact your local Soil Conservation Service office.

GREAT BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR at Harer	APR-SEP	310.0	140.0	45	250.0	81	50.0	16
MONTPELIER CK nr Montpelier	APR-SEP	13.9	7.0	50	13.0	93	3.0	22
CUB RIVER nr Preston	APR-SEP	51.8	31.0	60	48.0	93	14.0	27
	APR-JUL	46.8	28.0	60	43.0	92	13.0	28

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	1	2	3	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
BEAR LAKE	1421.0	1052.9	1057.7	992.5	Bear River (above Harer)	11	52	54
MONTPELIER CREEK	3.9	1.9	1.8	1.7	Montpelier Creek	6	40	48
					Mink Creek	5	44	48
					Cub River	1	52	49
					Malad River	0	0	0

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

SNOW DATA MEASUREMENTS

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
UPPER COLUMBIA BASIN							WATERSHED I						
ABOVE BURKE	4100	1/30/87	30	9.0	10.4	14.2	MOUNTAIN MOWS PILLOW	6360	2/01/87	---	10.7	8.7	18.3
ABOVE ROLANO	4350	2/01/87	---	14.1E	13.8	20.8	NEZ PERCE PASS	6570	2/01/87	---	8.0e	--	10.9
8EAR MOUNTAIN	5400	2/01/87	---	37.0E	26.3	41.5	PERREAU MEADOWS		NO REPORT				
8EAR MTN PILLOW	5400	2/01/87	---	36.4	24.8	42.6	PIERCE R.S.	3080	1/30/87	20	5.1	7.8	8.1
8ELOW ROLANO		NO REPORT					REDFISH LAKE FLAT		NO REPORT				
BENTON MEADOW	2370	1/30/87	10	2.4	5.0	5.1	ROCK FLAT SUMMIT	5310	1/30/87	36	8.4	8.8	12.6
BENTON SPRING	4920	1/30/87	33	8.6	10.8	13.2	SAOOLE MOUNTAIN	7940	2/01/87	48	11.7	12.8	17.6
BREEZY SAOOLE	5010	1/27/87	53	15.2	13.7	20.6	SAVAGE PASS	6170	1/30/87	45	11.4	13.6	17.7
CHILCO RIOGE		NO REPORT					SAVAGE PASS PILLOW	6170	2/01/87	---	13.4	13.3	18.3
CONIE RIOGE		NO REPORT					SCHWARTZ LAKE		NO REPORT				
COPPER RIOGE	4820	2/01/87	---	12.8E	12.0	18.3	SECESH SUMMIT	6520	2/03/87	54	13.2	16.9	25.1
CORNER CREEK		NO REPORT					SECESH SUMMIT PILLOW	6520	2/01/87	---	12.1	16.8	25.4
EAST RAGGED SAOOLE	3740	2/02/87	43	11.8	12.9	13.9	SHANGHAI SUMMIT	4570	1/28/87	44	12.0	13.9	17.8
EAST TWIN		NO REPORT					SHANGHAI SUM PILLOW	4570	2/01/87	---	13.5	15.1	19.0
FORTY-NINE MEADOWS	4830	1/27/87	49	14.0	12.5	20.3	SHERWIN	3200	2/01/87	---	6.5E	7.6	9.8
FOURTH OF JULY SUM	3200	1/30/87	21	6.0	8.3	7.1	SHERWIN PILLOW	3200	2/01/87	---	6.4	7.4	9.5
GRANITE PEAK		NO REPORT					SQUAW MEADOW	5900	2/03/87	57	11.8	16.5	24.3
HUMBOLDT GULCH	4250	1/30/87	31	7.4	7.0	10.7	TWIN LAKES	6510	2/01/87	---	20.7e	--	26.4
HUMBOLDT GLCH PILLOW	4250	2/01/87	---	8.2	6.3	9.7	TWIN PEAKS		NO REPORT				
KELLOGG PEAK AM	5560	2/01/87	---	16.6E	17.1	22.4	VIENNA MINE	8960	1/29/87	50	11.3	23.4	25.1
LOOKOUT	5140	1/30/87	54	16.6	17.2	23.6	VIENNA MINE PILLOW	8960	2/01/87	---	11.6	20.1	25.1
LOOKOUT PILLOW	5140	2/01/87	---	17.4	15.6	23.0	WEBB CREEK	4720	1/29/87	24	6.0	5.2	7.5
LOST LAKE	6110	1/27/87	82	25.8	27.9	39.1	WEST BRANCH	5560	1/26/87	39	9.2	11.5	18.2
LOST LAKE PILLOW	6110	2/01/87	---	33.0	30.2	44.4	WEST BRANCH PILLOW	5560	2/01/87	---	10.3	12.5	18.1
LOWER SANOS CREEK	3120	2/01/87	---	8.1E	10.3	12.3	WILLIAMS CREEK SUM		NO REPORT				
MOSQUITO MOUNTAIN		NO REPORT											
MOSQUITO RIOGE	5200	1/30/87	55	18.8	17.2	26.2							
MOSQUITO PILLOW	5200	2/01/87	---	19.1	16.3	26.3							
ROLANO SUMMIT	5120	2/01/87	---	19.0E	20.0	25.9							
SAGE CREEK SAOOLE		NO REPORT											
SCHWEITZER BASIN	6090	1/29/87	72	25.4	23.5	33.0							
SCHWEITZER BN PILLOW	6090	2/01/87	---	29.3	23.2	34.6							
SCHWEITZER BOWL	4800	1/29/87	53	15.3	12.7	21.4							
SCHWEITZER RIOGE	6200	1/29/87	69	24.1	23.3	32.2							
SHERWIN	3200	2/01/87	---	6.5E	7.6	9.8							
SHERWIN PILLOW	3200	2/01/87	---	6.4	7.4	9.5							
SKITWISH RIOGE		NO REPORT											
SMITH CREEK		NO REPORT											
SUNSET	5540	1/29/87	46	14.1	12.4	22.8							
SUNSET PILLOW	5540	2/01/87	---	18.3	15.6	24.3							
TWIN SPIRIT DIVIOE	3480	2/02/87	34	8.5	10.2	9.1							
WEST TWIN		NO REPORT											
CLEARWATER AND SALMON BASINS							WATERSHED II						
ABOVE GILMORE		NO REPORT					ATLANTA SUMMIT	7600	1/29/87	46	10.7	21.3	24.2
ASPEN-HALL PASS AM		NO REPORT					ATLANTA SUM PILLOW	7580	2/01/87	---	11.3	18.8	21.6
BANNER SUMMIT	7040	2/01/87	---	11.6E	16.0	21.7	ATLANTA TOWNSITE	5370	1/29/87	21	4.7	7.4	--
BANNER SUMMIT PILLOW	7040	2/01/87	---	9.6	16.1	19.4	BANNER SUMMIT	7040	2/01/87	---	11.6E	16.0	21.7
BEAR BASIN	5350	2/01/87	---	6.3E	9.5	13.5	BANNER SUMMIT PILLOW	7040	2/01/87	---	9.6	16.1	19.4
BEAR BASIN PILLOW	5350	2/01/87	---	5.9	8.5	13.4	8AD BEAR	4940	1/29/87	24	5.7	8.1	10.5
8IG CREEK SUMMIT	6580	2/01/87	---	15.9E	24.5	25.4	8EAR BASIN	5350	2/01/87	---	6.3E	9.5	13.5
8IG CREEK SUM PILLOW	6580	2/01/87	---	13.8	21.0	22.0	8EAR BASIN PILLOW	5350	2/01/87	---	5.9	8.5	13.4
8ORAH		NO REPORT					8EAR SAOOLE	6180	2/01/87	---	10.5E	--	21.6
8OULDER CREEK	5440	1/26/87	37	8.0	11.0	16.6	8EAR SAOOLE PILLOW	6180	2/01/87	---	9.7	15.0	21.8
8REEZY SAOOLE	5010	1/27/87	53	15.2	13.7	20.6	8ENNETT MOUNTAIN	6560	2/01/87	---	6.0E	10.6	12.9
8RUNOAGE MOUNTAIN		NO REPORT					8ENNETT MTN PILLOW	6560	2/01/87	---	5.8	--	13.6
8RUNO CREEK		NO REPORT					8IG CREEK SUMMIT	6580	2/01/87	---	15.9E	24.5	25.4
8UCK MEADOWS		NO REPORT					8IG CREEK SUM PILLOW	6580	2/01/87	---	13.8	21.0	22.0
CAYUSE AIRSTRIP	3500	1/27/87	25	5.6	7.1	8.8	8OGUS BASIN	6340	1/29/87	28	6.2	12.2	16.7
COOL CREEK	6250	1/27/87	74	21.4	22.8	36.6	8OGUS BASIN ROAD	5540	1/29/87	10	2.0	2.6	5.9
COOL CREEK PILLOW	6280	2/01/87	---	23.3	22.1	34.4	8OULDER CREEK	5440	1/26/87	37	8.0	11.0	16.6
COOLWATER MOUNTAIN		NO REPORT					8RUNOAGE MOUNTAIN		NO REPORT				
COPE'S CAMP		NO REPORT					8RUNOAGE RESV PILLOW	4500	2/01/87	---	11.1	--	--
CRATER MEADOWS	5960	1/28/87	67	19.2	21.4	30.2	CAMAS CREEK DIVIOE		NO REPORT				
CRATER MOWS PILLOW	5960	2/01/87	---	21.5	20.5	31.6	CHIMNEY CREEK		NO REPORT				
CROOKED FORK	3610	1/30/87	25	7.0	7.4	9.9	COUCH SUMMIT	6840	1/30/87	23	4.1	9.3	13.2
OEAWOOD SUMMIT	6860	1/29/87	56	14.6	25.7	32.2	COZY COVE	5380	1/29/87	22	5.6	9.1	11.9
OEAWOOD SUM PILLOW	6860	2/01/87	---	15.4	21.3	35.5	COZY COVE PILLOW	5380	2/01/87	---	5.8	10.4	17.9
OOBLUE SPGS PASS AM		NO REPORT					CRAWFORD R.S.	4860	1/30/87	9	3.0	--	6.3
ELK BUTTE	5550	1/27/87	51	13.0	19.0	25.5	OEAWOOD GULCH	5600	1/30/87	24	5.8	8.9	12.5
ELK BUTTE PILLOW	5550	2/01/87	---	17.9	18.2	28.7	OEAWOOD AIRSTRIP	5360	2/01/87	---	5.9E	--	11.2
FISH LAKE AIRSTRIP	5650	1/27/87	65	18.5	17.7	27.0	OEAWOOD SUMMIT	6860	1/29/87	56	14.6	25.7	32.2
FORTY-NINE MEADOWS	4830	1/27/87	49	14.0	12.5	20.3	OEAWOOD SUM PILLOW	6860	2/01/87	---	15.4	21.3	35.5
GALENA SUMMIT	8780	1/30/87	34	7.0	13.0	16.4	OOLLARHIOE SUMMIT	8420	1/29/87	32	6.1	16.9	17.2
GALENA SUMMIT PILLOW	8780	2/01/87	---	6.5	12.7	13.2	OOLLARHIOE SM PILLOW	8420	2/01/87	---	7.6	16.0	17.5
GIBBONS PASS	7100	2/01/87	43	10.1	11.2	16.0	GRAHAM GUARD STATION	5690	1/29/87	26	5.7	9.7	11.6
GOAT LAKE		NO REPORT					GRAHAM G.S. PILLOW	5690	2/01/87	---	6.3	8.5	12.2
GRANITE PEAK		NO REPORT					IOAHO CITY TOWNSITE	4000	1/29/87	9	1.8	3.8	4.3
HALL CREEK		NO REPORT					JACKSON PEAK	7070	1/29/87	39	9.4	19.2	22.4
HEMLOCK BUTTE	5810	1/27/87	65	19.2	21.7	34.0	JACKSON PEAK PILLOW	7070	2/01/87	---	11.1	--	20.9
HEMLOCK BUTTE PILLOW	5810	2/01/87	---	21.9	26.5	33.3	LAKE FORK	5290	2/03/87	43	10.0	10.6	11.8
HOOODOO BASIN	6050	1/31/87	84	26.6	26.2	34.6	LITTLE CAMAS FLAT		NO REPORT				
HOOODOO CREEK	5900	1/31/87	75	23.0	20.6	31.7	MANN CREEK		NO REPORT				
KIT CARSON PASTURE		NO REPORT					MOORES CREEK SUMMIT	6100	1/29/87	44	11.0	20.2	22.6
LEATHERMAN PASS		NO REPORT					MOORES CK SUM PILLOW	6100	2/01/87	---	10.7	23.4	22.9
LEHMI PASS	7480	2/01/87	---	4.0e	--	5.5	PLACER CREEK		NO REPORT				
LEHMI RIOGE	8100	2/01/87	---	4.7e	--	6.5	POISON LAKE		NO REPORT				
LOLO PASS	5240	2/03/87	63	16.4	12.0	20.6	PRAIRIE	4800	1/29/87	11	2.5	4.8	4.9
LOLO PASS PILLOW	5240	2/01/87	---	14.4	14.4	22.2	PRAIRIE PILLOW	4800	2/01/87	---	2.5	--	--
LOST LAKE	6110	1/27/87	82	25.8	27.9	39.1	ROAD CREEK	5380	1/29/87	18	4.0	5.7	7.4
LOST LAKE PILLOW	6110	2/01/87	---	33.0	30.2	44.4	ROBINSON CREEK RIOGE		NO REPORT				
MEADOW LAKE	9150	2/01/87	---	7.3	8.1	13.1	ROCK FLAT SUMMIT	5310	1/30/87	36	8.4	8.8	12.6
MEADOW LAKE PILLOW	9150	2/01/87	---	7.3	--	13.4	SECESH SUMMIT	6520	2/03/87	54	13.2	16.9	25.1
MILL CREEK SUMMIT	8800	2/01/87	---	8.0E	12.3	16.0	SECESH SUMMIT PILLOW	6520	2/01/87	---	12.1	16.8	25.4
MILL CREEK ST PILLOW		NO REPORT					SOLOIER R.S.	5740	1/31/87	15	2.5	8.1	9.5
MOONSHINE	7440	1/28/87	18	2.9	5.0	7.3	SOLOIER R.S. PILLOW	4330	2/01/87	---	3.3	--	--
MOONSHINE PILLOW	7440	2/01/87	---	4.5	6.2	7.5	SQUAW FLAT	6240	2/01/87	---	10.7E	17.7	18.4
MOOSE CREEK	6200	1/30/87	28	6.0	6.6	12.1	SQUAW FLAT PILLOW	6240	2/01/87	---	9.1	12.8	16.2
MOOSE CR PILLOW	6200	2/01/87	---	7.4	8.3	12.2	SQUAW MEADOW	5900	2/03/87	57	11.8	16.5	24.3
MORGAN CREEK	7600	2/01/87	---	5.7E	7.9	9.6	STURGILL RIOGE		NO REPORT				
MORGAN CREEK PILLOW	7600	2/01/87	---	5.4	7.4	9.2	THORSON CABIN		NO REPORT				
MORSE CREEK SAWMILL		NO REPORT					TRINITY MOUNTAIN	7770	1/29/87	46	11.6	25.2	29.3
MOUNTAIN MEADOWS	6360	2/01/87	---	8.8E	--	15.8	TRINITY MTN. PILLOW	7770	2/01/87	---	13.4	22.9	28.3
							TRIPPO SUMMIT	5260	1/30/87	34	9.2	11.2	12.9
							VIENNA MINE	8960	1/29/87	50	11.3	23.4	25.1

SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST BASINS							WATERSHED IV						
BEAR CANYON	7900	2/01/87	---	3.6E	9.8	12.4	ISLAND PARK PILLOW	6290	2/01/87	---	6.3	18.2	11.5
BEAR CANYON PILLOW	7900	2/01/87	---	3.0	8.6	11.4	JACKPINE CREEK	7350	1/29/87	37	8.6	--	15.2
BENNETT MOUNTAIN	6560	2/01/87	---	6.0E	10.6	12.9	JOHNSON CREEK		NO REPORT				
BENNETT MOUNTAIN PILLOW	6560	2/01/87	---	5.8	--	13.6	KILGORE	6320	1/30/87	21	3.7	7.8	6.2
CAMAS CREEK OVIDE		NO REPORT					LATHAM SPRINGS		NO REPORT				
CHIMNEY CREEK		NO REPORT					LAVA CREEK	7350	1/29/87	33	6.8	11.5	10.1
COPPER BASIN	7640	2/01/87	---	1.4E	5.5	6.3	LEWIS LAKE DIVIDE	7850	1/28/87	54	14.0	27.4	28.0
COUCH SUMMIT	6840	1/30/87	23	4.1	9.3	13.2	LOWER PEBBLE	5780	1/28/87	20	4.0	10.0	9.3
DOLLARHIDE SUMMIT	8420	1/29/87	32	6.1	16.9	17.2	LUCKY DOG		NO REPORT				
DOLLARHIDE SM PILLOW	8420	2/01/87	---	7.6	16.0	17.5	MADISON PLATEAU	7750	2/01/87	---	10.4e	--	14.4
DRY FORK		NO REPORT					MC RENOLDS RESERVOIR	6720	1/29/87	32	6.8	11.0	13.1
FAIRVIEW G.S.		NO REPORT					MINK CREEK	6410	1/28/87	26	6.8	13.7	12.4
FISHPOLE LAKE		NO REPORT					MORAN	6750	1/30/87	32	7.3	9.2	9.4
GALENA	7440	2/01/87	---	6.1E	11.6	13.7	MUD CREEK	7100	1/29/87	40	9.8	13.3	13.3
GALENA PILLOW	7440	2/01/87	---	6.6	11.4	13.5	NORTH PUTNAM	7240	1/29/87	37	9.1	14.6	20.5
GALENA NEW	7470	1/30/87	33	6.3	12.6	15.2	PACKSADDLE SPRING	8200	1/29/87	44	10.8	19.1	19.0
GALENA SUMMIT	8780	1/30/87	34	7.0	13.0	16.4	PEBBLE CREEK	6550	1/28/87	21	4.5	9.5	11.5
GALENA SUMMIT PILLOW	8780	2/01/87	---	6.5	12.7	13.2	PHILLIPS BENCH	8200	1/30/87	58	14.8	20.4	21.2
GARFIELD R.S.	6560	1/29/87	12	1.9	7.1	7.4	PHILLIPS BENCH PILL.	8200	2/01/87	---	12.8	19.5	19.4
GARFIELD R.S. PILLOW	6560	2/01/87	---	2.1	7.2	7.3	PINE CREEK PASS	6810	1/29/87	33	7.7	10.7	11.6
GRAHAM RANCH	6270	1/30/87	23	3.6	8.6	10.0	POISON MEADOWS	8500	1/29/87	55	11.4	20.8	20.3
HILTS CREEK	8000	1/27/87	12	2.5	7.3	7.7	PUTNAM		NO REPORT				
HILTS CREEK PILLOW	8000	2/01/87	---	3.9	6.2	8.9	SALT RIVER SUMMIT	7700	1/29/87	32	5.4	10.0	11.0
HYNNOMAN CREEK	7440	2/01/87	---	3.5E	9.4	10.0	SALT RIVER PILLOW	7700	2/01/87	---	5.2	9.2	10.9
HYNNOMAN PILLOW	7440	2/01/87	---	3.2	8.1	8.7	SAWTELL MOUNTAIN	8720	1/28/87	44	11.5	24.4	23.0
IRON 80G		NO REPORT					SEDEGWICK PEAK		NO REPORT				
IRON MINE CREEK		NO REPORT					SHEEP MOUNTAIN	6570	1/29/87	24	5.0	8.4	9.2
LEADBELT		NO REPORT					SHEEP MTN PILLOW	6570	2/01/87	---	5.6	10.0	10.1
LEATHERMAN PASS		NO REPORT					SLUG CREEK DIVIDE	7230	1/28/87	27	5.8	11.5	11.3
LITTLE CAMAS FLAT		NO REPORT					SLUG CK DVO PILLOW	7230	2/01/87	---	5.4	13.2	12.9
LOST GARFIELD		NO REPORT					SNAKE RIVER STATION	6920	1/28/87	39	8.1	13.1	14.4
LOST-WOOD DIVIDE	7900	2/01/87	---	6.8E	13.4	16.0	SNOW KING MTN	7660	1/29/87	36	7.6	11.4	10.3
LOST-WOOD OVD PILLOW	7900	2/01/87	---	6.2	12.8	16.1	SOMSEN RANCH	6840	1/27/87	27	5.6	11.2	10.1
MASCOT MINE	7780	2/01/87	---	3.8E	8.2	10.6	SOMSEN RANCH PILLOW	6800	2/01/87	---	4.8	10.6	9.3
MOONSHINE	7440	1/28/87	18	2.9	5.0	7.3	SPRING CRK. PILLOW	9000	2/01/87	---	12.8	20.3	16.2
MOONSHINE PILLOW	7440	2/01/87	---	4.5	6.2	7.5	STATE LINE	6660	1/29/87	35	7.4	9.3	9.9
MOUNT BALDY	8920	1/30/87	31	5.9	12.5	14.5	SULPHUR PEAK		NO REPORT				
MULDON	6320	1/29/87	12	1.7	4.4	5.6	TARGHEE PASS	6980	2/01/87	---	5.4E	7.8	10.1
SAWMILL CANYON	7000	1/28/87	18	3.4	4.2	5.7	TETON PASS W.S.	7740	2/02/87	56	15.2	17.2	17.5
SOLDIER R.S.	5740	1/31/87	15	2.5	8.1	9.5	TEX CREEK	6650	2/01/87	---	3.6E	7.1	6.2
SOLDIER R.S. PILLOW	4330	2/01/87	---	3.3	--	--	THUMB OVIDE	7980	1/29/87	35	7.3	13.4	14.0
STICKNEY HILL	7430	2/01/87	---	2.7E	5.0	6.0	TOGWOTEE PASS	9580	1/30/87	61	17.9	19.4	19.8
STICKNEY HILL PILLOW	7430	2/01/87	---	2.1	4.3	5.4	TOGWOTEE PASS PILLOW	9580	2/01/87	---	15.2	17.0	17.0
SWEDE PEAK	7640	1/29/87	18	2.7	9.6	11.9	TOPNOC		NO REPORT				
SWEDE PEAK PILLOW	7640	2/01/87	---	2.9	9.5	10.2	TURPIN MEADOWS	6900	1/30/87	28	6.3	6.9	7.7
TELFER RANCH		NO REPORT					TWITCHELL CANYON	6300	1/29/87	30	7.1	--	11.0
VIENNA MINE	8960	1/29/87	50	11.3	23.4	25.1	TWO OCEAN PLATEAU AM		NO REPORT				
VIENNA MINE PILLOW	8960	2/01/87	---	11.6	20.1	25.1	TWO OCEAN PILLOW	9160	2/01/87	---	13.9	18.4	19.9
WET CREEK SUMMIT	7680	1/27/87	10	1.5	5.2	7.8	VALLEY VIEW	6680	1/28/87	29	5.9	8.6	11.4
WILLOW, BLACKFOOT, UPPER SNAKE AND PORTNEUF BASINS							WEBBER CREEK		NO REPORT				
AFTON RANGER STATION	6240	1/29/87	16	3.0	4.0	3.4	WHISKEY CREEK	6800	2/01/87	---	8.5e	--	13.2
ALLEN RANCH	6470	1/27/87	18	4.0	9.0	7.9	WHITE ELEPHANT	7710	1/28/87	30	6.8	15.5	17.0
ARIZONA	6820	2/01/87	---	7.2E	11.5	13.3	WHITE ELEPHANT PILL	7710	2/01/87	---	10.0	17.7	18.1
ASPEN GROVE	6500	2/01/87	---	5.7E	8.3	8.9	SOUTHSIDE SNAKE BASIN						
ASTER CREEK	7750	1/29/87	49	11.8	20.1	20.5	ANTELOPE RIDGE	6180	2/01/87	---	3.5E	7.5	--
AUSTIN BROTHERS RNCH	6400	1/27/87	16	3.5	8.1	6.6	BADGER GULCH	6660	2/01/87	---	5.1E	9.2	8.1
BASE CAMP	7030	1/30/87	39	9.4	13.6	14.2	BATTLE CREEK	5720	2/04/87	6	1.2	--	2.9
BASE CAMP PILLOW	7030	2/01/87	---	9.6	11.0	13.0	BEAR CREEK	7800	2/01/87	---	6.0E	11.8	13.5
BEAVERDAM CREEK		NO REPORT					BEAR CK SNOTEL	7800	2/01/87	---	5.0	11.0	13.0
BIG SPRINGS	6400	1/28/87	34	7.5	12.7	14.0	BIG BENO	6700	1/29/87	14	2.0	8.0	6.2
BIRCH CREEK	6800	1/29/87	23	5.6	7.5	7.7	BOSTETTER R.S.	7500	2/01/87	---	6.6E	--	14.2
BLACK BEAR	7950	2/01/87	---	17.9e	--	26.4	BOSTETTER RS PILLOW	7500	2/01/87	---	5.5	12.3	12.4
BLACK CANYON		NO REPORT					BOY SCOUT CAMP		NO REPORT				
BLACK MOOSE		NO REPORT					BULL BASIN	5460	2/04/87	8	1.2	--	1.4
BLACKROCK	8900	2/01/87	---	13.1E	14.4	14.9	CEDAR CREEK		NO REPORT				
BLIND BULL SUMM AM	8650	1/29/87	44	10.1	18.6	18.3	CLEAR CREEK MEADOWS		NO REPORT				
BLIND BULL PILLOW	8650	2/01/87	---	14.1	22.2	18.5	COLUMBIA BASIN	6650	1/29/87	21	3.4	6.0	6.5
BLUE LEODE MINE	6900	2/01/87	---	4.4E	17.9	11.8	DEADLINE	7400	1/26/87	33	8.3	14.3	15.5
BLUE RIDGE	6780	1/29/87	29	7.8	13.9	13.6	DEADLINE SOUTH	7450	1/26/87	39	11.2	19.3	16.9
BONE	6200	1/29/87	13	2.5	5.9	5.6	FAWN CREEK		NO REPORT				
BROCKMAN STATION	6430	1/29/87	23	5.1	9.2	6.8	FOX CREEK	6800	2/01/87	---	3.3e	6.9	7.5
BRYAN FLAT	6420	1/29/87	27	5.6	7.2	6.4	FRY CANYON		NO REPORT				
CAMP CREEK	6580	1/29/87	17	3.2	6.2	7.2	GEORGE CREEK		NO REPORT				
CCC CAMP	7000	1/29/87	28	5.8	8.2	8.5	GEORGE PEAK		NO REPORT				
COTTONWOOD LAKE	7600	1/29/87	41	9.4	12.1	12.4	GOAT CREEK	8800	2/01/87	---	5.4E	9.9	11.7
COTTONWOOD CR PILLOW	7600	2/01/87	---	10.7	--	--	GOLD CREEK	6600	1/29/87	10	1.30	--	3.9
COULTER CREEK	7020	1/28/87	39	6.5	14.0	15.1	HOWELL CANYON	7980	2/01/87	---	9.8E	21.2	18.2
COULTER CREEK PILLOW	7020	2/01/87	---	8.1	11.6	15.9	HOWELL CANYON PILLOW	7980	2/01/87	---	8.1	17.8	15.3
COLD SPRINGS		NO REPORT					HUMMINGBIRD SPRINGS	8950	2/01/87	---	8.9E	--	15.5
CRAB CREEK	6860	2/01/87	---	3.6E	--	10.8	HYDE PASTURE	5760	2/04/87	---	.11	--	4.7
CRAB CREEK PILLOW	6860	2/01/87	---	3.9	7.3	11.4	INDIAN GROVE		NO REPORT				
QARBY CANYON	8250	1/29/87	45	12.2	--	15.3	JACK CREEK, LOWER	6800	1/28/87	16	2.6	--	2.6
QEMPSEY CREEK		NO REPORT					JACKS PEAK	8420	2/01/87	---	9.1E	--	14.4
EAST CREEK		NO REPORT					JOHNSTON POND	6700	2/04/87	12	2.4	--	--
EAST RIM DIVIOE	7												

SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
SEVENTYSIX CREEK	7100	2/01/87	---	4.5E	7.7	8.3
SEVENTYSIX CK SNOTEL	7100	2/01/87	---	2.45	8.4	6.3
SHOSHONE BASIN	5810	2/01/87	---	2.3E	5.2	4.8
SILVER CITY	6400	2/04/87	27	7.6	12.4	11.4
SOUTH MOUNTAIN	6500	2/01/87	26	7.2	10.6	10.1
SOUTH MTN PILLOW	6500	2/01/87	---	6.8	12.5	9.6
SUBLETT		NO REPORT				
SUCCOR CREEK	AM 6100	2/04/87	---	2.6E	--	4.4
TAYLOR CANYON	6200	1/28/87	11	1.4	5.2	4.1
TDE JAM AM	AM 7700	1/29/87	12	2.0	4.7	7.4
VAUGHT RANCH	AM 5830	2/04/87	9	1.8	--	3.0
VIPONT		NO REPORT				
WAR EAGLE	7280	2/04/87	30	8.4	--	18.3
WILSON CREEK		NO REPORT				

GREAT BASIN

WATERSHED VII

CHRISTENSEN RANCH		NO REPORT				
CLIFF CANYON		NO REPORT				
CUB RIVER R.S.	5450	2/01/87	---	4.3E	--	6.6
DANIELS CREEK		NO REPORT				
ORY BASIN		NO REPORT				
ORY CREEK FLAT		NO REPORT				
EMIGRANT SUMMIT	7390	2/02/87	33	8.0	17.7	16.9
EMIGRANT SUM PILLOW	7390	2/01/87	---	8.0	--	19.3
EMIGRATION CANYON	6500	2/02/87	19	4.5	8.4	7.6
FRANKLIN BASIN	8020	1/26/87	---	8.1E	15.5	16.6
FRANKLIN BSN PILLOW		NO REPORT				
GIVEOUT	6860	1/28/87	20	3.9	11.4	8.5
GIVEOUT PILLOW	6840	2/01/87	---	3.3	11.9	8.9
GIVEOUT NEW	6930	1/28/87	16	3.2	9.8	7.6
HORSESHOE BASIN		NO REPORT				
LIBERTY SPRING	8600	2/01/87	---	10.1E	27.3	24.2
LITTLE BEAVER	6790	1/28/87	20	4.3	13.1	10.5
LOWER ELKHORN		NO REPORT				
LOWER HOME CANYON	7640	1/29/87	23	4.7	10.8	9.7
MONTPELIER CREEK	6540	2/01/87	---	2.6E	7.5	5.7
OXFORD MOUNTAIN	6800	2/01/87	---	2.7E	--	--
OXFORD SPRING	6740	2/01/87	---	2.7E	--	7.9
OXFORD SPRING PILLOW	6740	2/01/87	---	2.2	8.8	8.9
STRAWBERRY CREEK	5820	2/02/87	16	4.0	9.4	7.5
STRAWBERRY-MINK OVO	6720	2/01/87	---	7.6E	15.5	14.8
UPPER ELKHORN		NO REPORT				
UPPER HOME CANYON	8560	1/29/87	38	9.3	18.1	15.8
WHISKEY FLAT		NO REPORT				
WILLOW FLAT	6070	2/02/87	22	5.3	--	11.2
WORM CREEK		NO REPORT				

The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State	Idaho Department of Water Resources Soil and Water Conservation Districts of Idaho
Federal	U.S. Department of Agriculture Forest Service U.S. Department of Army Corps of Engineers U.S. Department of Commerce NOAA, National Weather Service U.S. Department of Interior Bureau of Reclamation Geological Survey, Water Resources Division Shoshone-Bannock Tribal Council
Local	Big Lost River Irrigation District Big Wood Irrigation Company Boise Project Board of Control Idaho Water District #01 Lewiston Orchards Irrigation District Little Wood River Irrigation District North Board of Control — Owyhee Project Salmon Falls Irrigation Company South Board of Control — Owyhee Project
Private	Cyprus Mining Company FMC Corporation Idaho Power Company Le Bois Resort Washington Water Power Company
	Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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